

# WorldFAIR and a Festival of Data

*Looking back on 2022 and forward to 2023: a report on CODATA activities and achievements*



# Greetings and Thank You!

2022 has been another busy and successful year for the CODATA community. We are very grateful for your committed collaboration and engagement with our mission. As a global, membership organisation, CODATA depends on the generosity of our funders and collaborators and the often voluntary efforts of committee, Task Group and Working Group members.

In 2023, [the International Data Week theme will be 'a festival of data'](#) and an occasion to celebrate the richness and diversity of our community. That starts with this expression of gratitude. We are very fortunate to have an extremely committed group of [Officers and Executive Committee members](#), dynamic leadership throughout our various initiatives and a secretariat that works beyond the call of duty. Through all these factors, and more, CODATA is genuinely greater than the sum of its parts and achieves a great deal more than our budget would suggest.

As is customary, we would like to provide a summary of activities and achievements and take the opportunity to alert you to events in the coming year. This is a genuinely exciting time, as we see the vision for a [Decadal Programme](#) on Making Data Work for Cross-Domain Grand Challenges begin to come into fruition with the [WorldFAIR project](#), a set of related Case Studies, and important work on [units](#), [vocabularies](#) and a [Cross-Domain Interoperability Framework](#). Also notable is new impetus and direction for our [International Data Policy Committee](#) and the new [International Programme Office](#) to support the Open Science initiatives.

The report that follows ended up a bit longer than intended! I hope it provides an informative and interesting snapshot of CODATA activities. An updated version and a revised CODATA Strategy will be published in 2023 in preparation for our General Assembly, Salzburg, Austria, 27-28 October.

It remains for me to wish you a restorative and healthy end to 2022 and a 2023 full of achievement and success.

Simon Hodson, Executive Director, CODATA.

<b>Greetings and Thank You!</b>	<b>1</b>
<b>Get Ready for 2023!</b>	<b>3</b>
International Data Week and SciDataCon 2023	3
SciDataCon Call for Sessions, Presentations and Posters	3
CODATA General Assembly, Salzburg, 27-28 October 2023	4
Register Now!	4
<b>Activities and Achievements in 2022</b>	<b>4</b>
<b>Making Data Work...</b>	<b>5</b>
WorldFAIR!	5
WorldFAIR Cross-Domain Interoperability Framework	6
WorldFAIR Case Studies	6
OneGeochemistry Working Group	6
FAIR Data for Disaster Risk Research	7
INSPIRE Data Integration Platform for Population Health	7
FAIR Vocabularies	8
Digital Representation of Units of Measurement	8
FAIR Digital Objects	9
Global Open Science Cloud Initiative	9
<b>Data Policy</b>	<b>10</b>
International Data Policy Committee (IDPC)	10
Independent Review of the CASEarth Data Policy	10
Working Group on Data Ethics	10
<b>Data Science and Stewardship</b>	<b>11</b>
International Data Week 2022	11
FAIR Convergence Symposium 2022	12
Data Science Journal	12
CODATA RDM Terminology	12
CODATA Task Groups and Working Groups	13
<b>Data Skills</b>	<b>13</b>
CODATA-RDA Schools of Research Data Science	13
International Training Workshop on Open Science and SDGs	14
<b>Growing the Organisation</b>	<b>14</b>
CODATA National Committees Forum	14
Expanding the Secretariat and Programme Offices	15

# Get Ready for 2023!

Please start marking your calendars for the CODATA and partner events in 2023!



## International Data Week and SciDataCon 2023

**International Data Week 2023, 'A Festival of Data', will take place in Salzburg, Austria, and online, on 23-26 October.** The International Data series of conferences is a collaboration between CODATA, RDA and the World Data System and comprises the RDA Plenary and SciDataCon. The 2023 edition will be hosted by the University of Salzburg through its interdisciplinary Data Science group and the Geoinformatics department, supported by the Governor of Salzburg and with assistance from the Austrian Academy of Sciences – GIScience and the European Umbrella Organization for Geographic Information.

A black banner for SciDataCon 2023. At the top, 'SciDataCon 2023' is written in large blue font. Below it, 'Organized by CODATA &amp; WDS' is in white, with the CODATA and World Data System logos to the right. Underneath, 'as part of' is written in white. The bottom section features the International Data Week 2023 Salzburg logo in white and blue, including the dates '23-26 OCT', '2023', 'SALZBURG', and the text 'International Data Week A FESTIVAL OF DATA'. At the bottom of the banner, the text 'Call for Sessions, Presentations, and Posters is now open' is in white, followed by the URL 'https://www.scidatacon.org/IDW-2023-Salzburg/'.

## SciDataCon Call for Sessions, Presentations and Posters

The [call for sessions, presentations and posters](#) for SciDataCon, part of International Data Week 2023, has already been released with a **deadline of 31 March 2023** (and 31 May for posters). Please consider [the themes that are described on the SciDataCon platform](#). Potential participants can propose to organise a session in a variety of formats, or submit individual papers and posters. International Data Week 2023 is a Festival of Data, so the intention of the programme committee is to be celebratory and inclusive of all interesting aspects of data in research. Be sure to [submit your proposal on the SciDataCon platform](#).

## CODATA General Assembly, Salzburg, 27-28 October 2023

It feels very soon, but we are already entering another General Assembly year with elections! Barend Mons, CODATA President, who has served our organisation admirably and with a great deal of commitment and energy is coming to the end of his term. There will be elections of a new President, Vice-President(s) and the Executive Committee. The CODATA community will also have the opportunity to propose new Task Groups and to influence our strategy and activities.

The call for nominations (President, Vice-President(s) and Executive Committee) and the call for Task Group proposals will both be released no later than 27 April 2023, and probably some time before that date. The deadline in each case will be 27 June, so it is not too early to start identifying candidates or innovative and important ideas for Task Groups.

### Register Now!

Registration is already open for two important events in March 2023! These are two events co-located with [the RDA Plenary in Gothenburg](#).

- The WorldFAIR Project's Cross-Domain Interoperability Framework, Workshop 20 March 2023: [Registration Open](#)
- DDI-CDI: Optimising Your Data Description for Integration and Reuse, Workshop 24 March 2023: [Registration Open](#)



CODATA will continue good collaboration with RDA by participating in the [RDA Tiger project](#), from January 2023.

## Activities and Achievements in 2022

2022 saw our collective transition from fully virtual to hybrid events, including [International Data Week 2022](#) in Seoul and online, and the launch of the [WorldFAIR project](#), which now forms the core of our Decadal Programme 'Making Data Work...'. This brief summary follows the structure of our strategy, as laid out in the most recent [report](#) to the [2021 General Assembly](#).

# Making Data Work...

CODATA has been entrusted to contribute to the [ISC's Action Plan](#) in two specific and related areas ([Making Data Work...](#) and [Open Science](#)).

## WorldFAIR!

[Since 2017](#), we have been exploring a number of issues relating to domain and cross-domain FAIR (with particular attention to interoperability) and developing a methodology which insists on the involvement of concrete case studies. The WorldFAIR project is now taking forward this vision and methodology.



['WorldFAIR: Global cooperation on FAIR data policy and practice'](#) is a two-year project to advance implementation of the [FAIR principles](#), particularly in relation to interoperability. Funded by the European Commission HORIZON-WIDERA-2021-ERA-01-41 call with an explicit mission to advance global collaboration and include partners from outside the European Union, WorldFAIR is coordinated by [CODATA](#), with the [Research Data Alliance \(RDA\) association](#) as a major partner.

WorldFAIR is working with a set of eleven domain and cross-domain [Case Studies](#), carefully chosen from existing CODATA and RDA activities or partnerships to provide maximum impact. The Case Studies, whilst drawn from diverse domain and cross-domain research areas, are clustered in connected themes in order to maximise scope while retaining a critical mass of activity and allowing learning and cross-fertilisation of ideas. Each Case Study will develop an interoperability framework, recommendations and/or a FAIR implementation for their discipline or interdisciplinary research area. Led by CODATA, a coordinating and synthesis activity has been supporting each Case Study in understanding their requirements through the completion of [FAIR Implementation Profiles](#). In turn these insights will be incorporated into the development of a [Cross-Domain Interoperability Framework](#) and more [domain-sensitive recommendations for FAIR assessment and benchmarks](#).

On 30 November, WorldFAIR released its first substantive deliverables. These include a [report on our experience in using FAIR Implementation Profiles in WorldFAIR](#), and which situates this work in the wider set of WorldFAIR activities. The GeoChemistry Case Study also released its [plan for formalising the OneGeochemistry](#) network (initially as [a CODATA Working Group](#)), which will be an important mechanism for collaboration and interoperability.

**To stay up-to-date with WorldFAIR, [please sign up to the WorldFAIR Newsletter!](#)**

## WorldFAIR Cross-Domain Interoperability Framework

Work on the Cross-Domain Interoperability Framework is underway, through a Working Group and Advisory Group, building on [previous work](#) and discussions at our [2022 Dagstuhl Workshop](#). Two workshops, [co-located with the RDA Plenary in Gothenburg](#), will be important for this work:



- [WorldFAIR Project's Cross-Domain Interoperability Framework. Workshop 20 March 2023.](#)
- [DDI-CDI: Optimising Your Data Description for Integration and Reuse. Workshop 24 March 2023.](#)

## WorldFAIR Case Studies

2023 will see a rich set of outputs from the Case Studies, as each works towards its FAIR implementation recommendations. Notable early activities and events include:

- Overviews of WorldFAIR: at [SciDataCon/International Data Week](#); at the [FAIR Convergence Symposium](#); in an EOSC Symposium [Session](#) and [Panel](#).
- Chemistry (IUPAC): What is a chemical? Webinar series: [Handling chemical data across disciplines](#); [Applying chemical data to industry challenges](#); [User Perspectives on Digital-Machine Readable Depictions](#).
- GeoChemistry: [Mapping the Global Landscape of Geochemistry Initiatives and Databases](#) (SciDataCon); [Sessions and presentations at AGU](#); [Formalisation of OneGeochemistry](#).
- Agricultural Biodiversity: [Challenges for Plant-Pollinator Data Standardization](#) (SciDataCon); [Keynote at the TDWG Conference](#) on [Plant-pollinator Interaction Data: A case study of the WorldFAIR project](#).
- Ocean Science and Disaster Risk Reduction: [collaboration on case study exploration at Dagstuhl 2022](#).

Colleagues from the CODATA Task Groups on [Extension of InChI for Nanomaterials](#), [Agriculture Data, Knowledge for Learning and Innovation](#), and [FAIR Data for Disaster Risk Research](#) are contributing to the WorldFAIR Case Studies on Nanomaterials (04), Agricultural Biodiversity (10), and Disaster Risk Reduction (12) respectively.

## OneGeochemistry Working Group

The [OneGeochemistry CODATA Working Group's mission](#) is to advance geoscientific knowledge and discoveries by building and maintaining consensus-driven standards that make geochemistry research data globally findable and accessible, and truly interoperable and reusable to both humans and machines. It was created as part of the process, in the WorldFAIR project, of [formalising the OneGeochemistry initiative](#), and to ensure continuity and sustainability for OneGeochemistry will continue beyond the life of the project as such.

## FAIR Data for Disaster Risk Research

The [Task Group on FAIR Data for Disaster Risk Research](#) is among the most active. As well as the very successful [DRR and Open Data Newsletter](#) ([subscribe here](#)), the TG has partnered with [CODATA Connect](#), Shaily Gandhi and her team at CEPT University, to produce the [Data for Disaster Risk Reduction Podcast Series](#). Other outputs include the following Policy Briefs:

- [Strengthening emergency communications for complex, cascading and compounding events – lessons learned from the Hunga Tonga-Hunga Ha’apai eruption and tsunami in Tonga](#);
- [Climate risk assessment Gaps: seamless integration of weather and climate information for community resilience](#);
- [‘Harnessing data to accelerate the transition from disaster response to recovery’](#), presented at the UNDRR Global Platform 2022;

and articles:

- [Harnessing risk-informed data for disaster and climate resilience](#);
- [Food for thought: Climate change risk and food \(in\)security in Tuvalu](#);
- [Saving Lives with FAIR Data: Evidence-based public policies and the impact of data in disaster and climate change risk management](#).



## INSPIRE Data Integration Platform for Population Health

CODATA has been a partner with the London School of Hygiene and Tropical Medicine (LSHTM) and the African Population and Health Research Centre (APHRC) on a series of projects around the [INSPIRE Network](#) for population health in Eastern and Southern Africa. Combining demographic health data, clinical data, and genomic data, in relation to HIV and COVID, INSPIRE has become an extremely important case study for data harmonisation and integration, and multiple facets of interoperability and controlled reuse. New funding from Wellcome will further build the network, technical platform and skills. The Population Health Case Study in WorldFAIR will document, refine and generalise the technical approach being explored in INSPIRE.

## FAIR Vocabularies

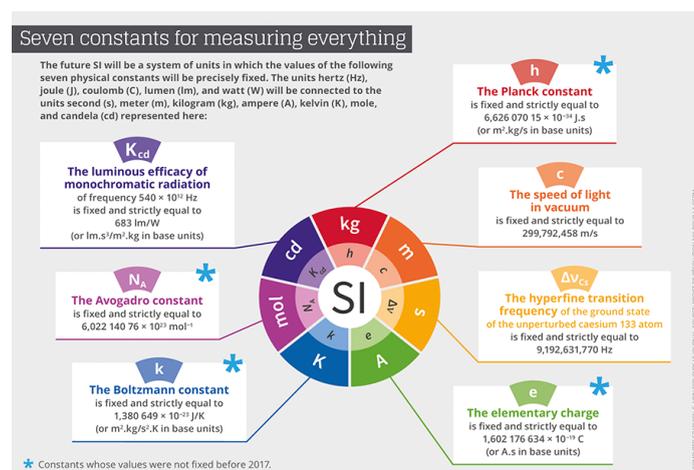
Inspired by the Cox et al. paper [Ten Simple Rules for making a vocabulary FAIR](#), a joint [IUSSP](#) and CODATA [Working Group](#), chaired by George Alter, was established to discuss how to apply these principles to vocabularies in demography and population science. The WG has conducted regular meetings throughout 2021 and its work has been discussed in various fora, including [the European DDI Users Meeting](#). The report and recommendations from the WG will be published early in 2023.

Organised by [ARDC](#), [ADA](#) and CODATA, the [Vocabulary Symposium 2022](#) explored the use of vocabularies across domains and cross-domain vocabularies. Simon Hodson, CODATA Executive Director was [one of the keynote speakers](#), and this led to an interview on the ABC Radio National 'Sunday Extra', '[Making data work for research](#)'.

## Digital Representation of Units of Measurement

The consistent digital (and FAIR) representation of units is fundamental to Interoperability and Reusability of data. The [DRUM Task Group](#) aims to clarify the complex landscape, contribute to improvement cooperation and alignment across various initiatives and make recommendations for good practice. Significant contributions of the Task Group in 2022 include:

- [The Units Summit @ SciDataCon and BIPM](#) for which slides and recordings are available;
- The Nature Comment article '[Stop squandering data: make units of measurement machine-readable](#)'.
- Preparing publication of the CODATA Recommended Values for the Fundamental Physical Constants as linked open data, accessible via an API.



Alongside the longstanding [Task Group on Fundamental Constants](#), DRUM has reinforced CODATA's relationship with [BIPM, the International Bureau of Weights and Measures](#). Building on the [2021 MoU](#), CODATA and ISC were signatories to the [Joint Statement of Intent on the digital transformation in the international scientific and quality infrastructure](#), which, *inter alia*, states that 'maintaining ... confidence in the accuracy and global comparability of measurement will require the creation and adoption of a fully digital representation of the SI, including **robust, unambiguous, and machine-actionable digital representations of units of measurement and of measurement results and uncertainties**'. Building on this, [ISC and CODATA celebrated World Metrology Day](#), and Simon Hodson was invited to give a presentation on '[Applying the FAIR principles to the worlds of research and measurement](#)' to the [General Conference on Weights and Measures](#), in November 2022.

## FAIR Digital Objects

CODATA Officers, Secretariat and community contributed to the [FAIR Digital Object Forum](#) Steering Committee and the Programme Committee for the [First International Conference on FAIR Digital Objects](#). The conference was a [notable success](#), stimulating debate on the role of FDOs and, with the events in the [FAIR Convergence Symposium 2022](#), forming a rich week of activity as part of [Leiden European City of Science 2022](#). An important outcome of the conference was the [Leiden Declaration on FAIR Digital Objects](#), which calls for **a concerted effort to explore and further refine the conception of FAIR digital objects as machine-actionable units of information**, core to the vision of FAIR.



## Global Open Science Cloud Initiative

The [Global Open Science Cloud](#) initiative was launched in 2021 with a **mission to encourage cooperation, alignment, and ultimately interoperability among the various Open Science (or Research) Clouds (or Platforms, or Commons) around the world**. GOSC has continued its work in 2022 through a set of [Working Groups](#) and [Case Studies](#). Particularly notable was the [launch](#) of the [GOSC International Programme Office \(IPO\)](#), hosted at CNIC to support the GOSC initiative. In 2022, the initiative held [a number of public and internal events](#), including:

### Public Events

- [GOSC International Programme Office launch, 12 October](#)
- [International Training Workshop on Open Science and SDGs, 29 Aug–9 Sep](#)
- [EGI Conference 2022: Global Open Science Workshop, 22 September](#)

### Internal Events

- [First GOSC All Hands Meeting, 1–2 June](#)
- [Second GOSC All Hands Meeting, 13 October](#)

### International Data Week 2022 – SciDataCon sessions

- [GOSC Data IO: Landscape Study and Case Studies in Data Interoperability](#)
- [Towards federated open science clouds: technics and demonstrations](#)
- [Progress on policy and practice in OSCs: key issues and disciplinary showcases](#)

### GOSC Data Interoperability WG Webinar Series

- [Emerging Cross-Domain Interoperability Framework, 31 March](#)
- [Data IO WG Briefing on Case Studies, 10 May](#)
- [Data Interoperability in Europe, 12 July](#)
- [Data Interoperability in China, 10 October](#)
- [Data Interoperability in Australia, 8 November](#)

In 2023, the GOSC initiative and the International Programme Office are planning a International Training Workshop (Beijing, 28 Aug–8 Sept, TBC) and the First International Symposium on Open Science Clouds (Beijing, 4–6 Sept, TBC).

# Data Policy

CODATA has [a long history of work in the data policy space](#), as well as the expertise of the secretariat, the primary mechanism is the [International Data Policy Committee](#).

## International Data Policy Committee (IDPC)

In 2022, the IDPC welcomed a new chair, Francis P. Crawley (Good Clinical Practice Alliance), who brings to the role a wealth of experience and a background in philosophy and ethics. Francis hit the ground running, and promptly organised two workshops on the theme of data policy in times of crisis.

[Data Policy in Times of Crisis](#) at the FAIR Convergence Symposium, 24 October  
[Data Policy for Open Science in Disaster Situations](#) at the EOSC Symposium, 16 November

A session '[AI in Data Policy and Data Governance: Designing Research Methodologies for Crisis Situations](#)' (jointly organised with the RDA WG on Artificial Intelligence and Data Visitation), has also been accepted for the [RDA Plenary in Gothenburg, 20-24 March 2023](#).

The IDPC has been reviewing its strategy and action plan and has come to an agreement around five areas of activity. The new IDPC Action Plan will be announced in the new year, and will be followed by a call for new members.

## Independent Review of the CASEarth Data Policy

CODATA periodically uses its network of expertise to produce data policy reports or reviews of data infrastructures. A recent example is the [Twenty-Year Review of GBIF](#). Using a comparable methodology, a CODATA team has recently completed the report '[Opening Big Data for a Sustainable Future: Review of the CASEarth Program's Data Policy](#)'. A launch event is planned for 2023.



SEPTEMBER 2022

## Working Group on Data Ethics

The 2021 General Assembly approved the creation of a Working Group on Data Ethics. The WG appointed two chairs (Lianglin HU, CNIC, CODATA China, and Johannes John-Langba, University of KwaZulu-Natal), a secretary (Warren Simangolwa, University of KwaZulu-Natal). The WG published [a call for members](#), which was very well received. Since then, the WG has been determining its approach and areas of focus. Work has now started to prepare discussion papers on the four themes identified.

# Data Science and Stewardship

CODATA seeks to advance the frontiers of data science in relation to the use of data in all fields of research. The primary mechanisms are the Data Science Journal, regular international conferences and the activity of Task Groups and Working Groups.



## International Data Week 2022

The major conference in 2022 was International Data Week 2022, including SciDataCon, which was held in Seoul, Republic of Korea, and online, 20-23 June. A [summary report](#), produced by the convening organisations and the local hosts, provides a comprehensive overview of the event. There were a total of 830 participants from 50 countries: 212 onsite and 618 online. As a total, this is in line with previous IDWs. Given the challenging circumstances of the pandemic, in which the Republic of Korea had only recently relaxed its strict quarantine rules, the event was a considerable success. The hybrid format presented challenges, as did the timezone for certain parts of the world: lessons have been learnt as we find our way with hybrid formats. Overall feedback was positive, particularly for the plenary sessions.

The SciDataCon component featured the traditional shared CODATA and WDS Plenary session, as well as 48 parallel sessions. The themes included: Open Science, data stewardship, citizen science, sustainable and smart cities, sustainability science and the SDGs, disaster risk reduction, health science, interoperability, units and reproducibility. Recordings and presentations are available from the [SciDataCon platform](#) and the [CODATA Vimeo channel](#).



## FAIR Convergence Symposium 2022

As noted above, the [FAIR Convergence Symposium 2022](#) was organised, alongside the [First International Conference on FAIR Digital Objects](#), as part of a special FAIR week for the [Leiden European City of Science 2022](#). Building on the close collaboration between CODATA and GO FAIR, the event featured a series of workshops: on [Data Policy in Times of Crisis](#), on the use of [FAIR Implementation Profiles \(FIPs\) in WorldFAIR](#), on the [FAIR Connect Platform](#), and on the use of [FAIR Implementation Profiles in ENVRI-FAIR](#). These hybrid events were a great success and provided a valuable complement to the FDO Conference.

## Data Science Journal

The [Data Science Journal](#) has continued steadily under the direction of Mark Parsons and Matt Meyernik: it clearly performs a valuable role for the community, filling a gap in the market for the science of data and data stewardship, while also showing an improvement in [certain metrics](#). It is hoped that [the purchase of the DSJ publisher, Ubiquity Press, by De Gruyter](#), will not affect the ethos with which the platform is run and will increase Ubiquity's capacity for development and improvement. 2023 will see a collection on [Data Management Planning across Disciplines and Infrastructures](#), for which the deadline closed on 15 Dec.

## CODATA RDM Terminology

Having [taken over stewardship](#) of the [Research Data Management Terminology](#), the [CODATA RDM Terminology Working Group](#) undertook a [thorough review of the content](#). The revised terminology will be published as a [FAIR vocabulary](#) in early 2023 and a new review cycle launched.

## CODATA Task Groups and Working Groups

Most of the current CODATA [Task Groups](#) and [Working Groups](#) have been mentioned above. Worthy of note here is the [CODATA-WDS TG on Data from Participatory Mapping for the SDGs](#), which is conducting surveys of the use of participatory mapping data by national statistical offices (NSO), health, environment, and humanitarian organizations, government agencies, and community groups, as well as a survey of the data practices of Participatory Geographic Information Systems and community science groups. This empirical work will build towards guidance, a framework for evaluation and recommendations. The TG also organised a SciDataCon session '[Bridging Service Gaps: UN Sustainable Development Goals and guidelines for citizen science generated data in developing countries](#)'.

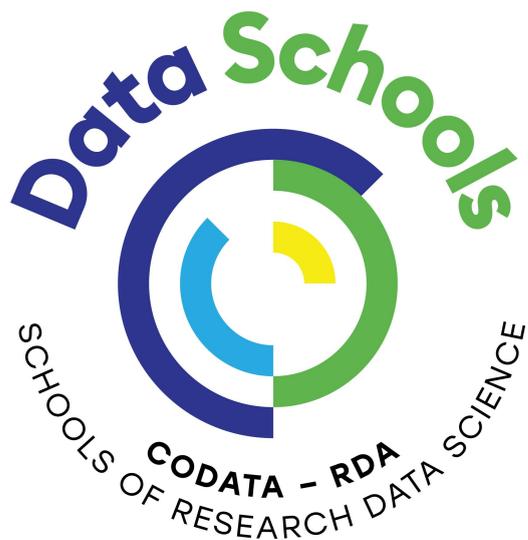
The [WG on Creative Living and Aging through Cross-disciplinary Utilization of Data](#) is exploring how CODATA can contribute to this issue through recommendations around cross-domain data. The WG ran a workshop on '[Technology and data aiding seniors at risk of dementia to reach their goals](#)'.

## Data Skills

CODATA convenes a number of activities around data skills and data education.

### CODATA-RDA Schools of Research Data Science

The flagship activity in the area of data skills and education since 2016 has been the [CODATA-RDA Schools of Research Data Science](#). This joint CODATA-RDA activity developed a core, foundational curriculum of data skills of utility to early career researchers in all fields, and which is delivered in a two-week, intensive training activity or 'school': [an impressive series of events has been run since 2016](#). In 2022, the initiative ran simultaneous, self-paced virtual schools 'in' [South Africa and São Paulo](#) (09 May–15 July), and a hybrid school run from the longstanding 'hub' at [ICTP in Trieste](#). In collaboration with South Big Data Hub, IM-AHEAD Southeast Hub at Morehouse School of Medicine, Microsoft and the US National Committee for CODATA, the initiative ran [a hybrid version of the schools](#) for students from [Historically Black Colleges and Universities](#) in the American South.



2022 also saw the first meetings of the [Data School's Advisory Board](#), tasked with advising on the initiative's strategy, governance and sustainability. In 2023, [an EOSC Future-RDA Open Grant](#) will enable the schools to further develop and document the training materials and optimise them for online delivery. The project is directed by Hugh Shanahan and Louise Bezuidenhout from the [Data Schools leadership team](#); Patricia Herterich has been contracted by CODATA to undertake the work.

## International Training Workshop on Open Science and SDGs

The other core, long-running training activity is the series of [International Training Workshops](#) hosted by CNIC. The 2022 edition, on the theme of [Open Science and SDGs](#), was run entirely online (29 Aug–9 Sep) and attracted a large number of participants from around the world, with over 50 completing the training.



## Growing the Organisation

CODATA achieves a great deal with relatively small resources. To fulfil our ambitious strategy, we need to further grow the organisation: secretariat, members and participants in our activities.

### CODATA National Committees Forum

One of CODATA's strengths, and perhaps still under-realised, is the network of National Committees. When National Committees undertake initiatives, projects and events they can achieve a great deal and can magnify CODATA activity. This is even more the case when they collaborate with each other: testimony to this is [the remarkable series of 10 data citation and research data management events](#) that were organised by National Committees and the Task Group on Data Citation in 2015-16.

Over the past 2-3 years, under the leadership of Ernie Boyko (Canada), Bonnie Carroll (USA), and Richard Hartshorn (New Zealand), the National Committees Forum has provided an important venue to discuss matters relating to National Committees and share advice and experiences. For example, Richard recently led two informative sessions recounting the process of forming the new Aotearoa New Zealand National Committee on Data in Research. This was very useful and will inform improvements to [our guidance on setting up National Committees](#).

Prof. Niv Ahituv, former Executive Committee member and CODATA Vice President, stepped down as chair of the Israel National Committee. With a new chair, Prof. Daphne Ruth Raban, the Israel National Committee is being reformed.

On 28 September, Mongolian National Committee, with the Academy of Sciences organised a national workshop 'Evolution of Data' on Open Science and FAIR data; [Simon Hodson](#), [CODATA Executive Director](#), and Giri Prakash, ORNL, USA and Executive Committee member were among the speakers.

On 11-13 September 2023, the Indian National Committee will organise a National Conference on Open and FAIR Data. Coinciding with the Indian presidency of the G20, this will be a major national event, with invited international and domestic speakers.

CODATA will continue to work through National Committees, to encourage and help facilitate such activities. Discussions are also underway with potential new members and we hope that 2023 will see a number of new members and National Committees formed.

## Expanding the Secretariat and Programme Offices

CODATA has had some success over the last few years in increasing its income, largely through project funding. This in turn has allowed us to expand the team that supports CODATA activities and projects.

- **Arofan Gregory**, Metadata and Technical Consultant, Decadal Programme, WorldFAIR, INSPIRE Projects.
- **Simon Hodson**, Executive Director
- **Asha Law**, Programme Assistant: communications, technical platforms and website.
- **Laura Molloy**, Senior Research Lead: RDM terminology, DDI collaboration, WorldFAIR Project.
- **Hana Pergl**, Operations Manager: strategic and management activities, membership relations, Open Science initiatives.

Additionally, working on specific projects are **Jay Greenfield**, Standards Expert, WorldFAIR and INSPIRE projects; and **Patricia Herterich**, CODATA-RDA Schools of Research Data Science, RDA/EOSC Future Open Project.

In 2022, **Paul Uhlir**, **Robert Samors** and **LI Aitong** completed their assiduous work on '[Opening Big Data for a Sustainable Future: Review of the CASEarth Program's Data Policy](#)'. In 2023 we aim to continue building our [network of expertise on research and technical activities](#).

The new [International Programme Office](#) for the Global Open Science Cloud initiative is led by **Lili ZHANG**, Executive Director and also a member of our International Data Policy Committee, and **Xueting LI**, Operations Manager.

CODATA needs to further expand its secretariat and a priority will be increased capacity for communications, outreach and project support. We also intend to explore further possibilities of national, regional or programme offices to help advance particular parts of our mission and strategy.